

## AUTHOR INDEX

- Aburime, S.O., see Steenhuis, T.S. et al. (p. 137)
- Armstrong, A.C., Rands, J.G. and Castle, D.A. (Cambridge, Great Britain)  
Drainage benefits: Watertable control, workability and crop yields .. 43
- Armstrong, A.C., see also Clark, A.M. et al.
- Arnold, G.E. and Van Vuuren, W.E. (Lelystad, The Netherlands)  
Evaluation and improvement of hydrological concepts used in PAWN .... 219
- Attia, F.A.R., see Lennaerts, A.B.M. et al.
- Ayuso, J.L., see Giráldez, J.V. et al.
- Bannink, M.H., see Hendrickx, J.M.H. et al.
- Barendregt, A., see Schot, P.P. et al.
- Ben-Asher, J., see Karnieli, A. et al.
- Blankenburg, J. and Kutz, H. (Bremen, Federal Republic of Germany)  
The integration of wetlands into man-made landscapes of  
N.W. Germany ..... 451
- Bognár, N. and Tóth, L.M. (Budapest, Hungary)  
Methods to determine the need for drainage in flat areas ..... 97
- Boumans, J.H. (Arnhem, The Netherlands), Van Hoorn, J.W. (Wageningen,  
The Netherlands), Kruseman, G.P. (Delft, The Netherlands) and  
Tanwar, B.S. (Karnal, India)  
Water table control, reuse and disposal of drainage water in  
Haryana ..... 537
- Bouwer, H. (Phoenix, AZ, U.S.A.)  
Water conservation ..... 233
- Bremond, B., Caupenne, J.M. and Collas, Ph. (Cestas, France)  
Drainage hydrology in the marshlands of western France ..... 175
- Bronswijk, J.J.B. (Wageningen, The Netherlands)  
Effect of swelling and shrinkage on the calculation of water  
balance and water transport in clay soils ..... 185
- Brouwer, J. and Van de Graaff, R.H.M. (Kew, Vic., Australia)  
Readjusting the water balance to combat dryland salting in southern  
Australia: Changing the hydrology of a texture contrast soil by  
deep ripping ..... 287
- Buntsma, J.J., see Schouten, P.H. et al.
- Castle, D.A., see Armstrong, A.C. et al.
- Caupenne, J.M., see Bremond, B. et al.
- Cavazza, L. and Rossi Pisa, P. (Bologna, Italy)  
Effect of watertable depth and waterlogging on crop yield ..... 29
- Clark, A.M. (London, Great Britain), Armstrong, A.C. (Cambridge,  
Great Britain), Parkinson, R.J. (Newton Abbot, Great Britain) and  
Reid, I. (London, Great Britain)  
Field drainage and land management, a comparison of four long terms  
field trials ..... 113
- Collas, Ph., see Bremond, B. et al.
- De Boodt, M., see Verplancke, H. et al.
- De Jong, S.J., see Lennaerts, A.B.M. et al.
- Dekker, L.W., see Hendrickx, J.M.H. et al.
- Dodi, A., see Karnieli, A. et al.
- Dolman, A.J. and Nonhebel, S. (Groningen, The Netherlands)  
Modelling forest water consumption in The Netherlands ..... 413
- Feddes, R.A. (Wageningen, The Netherlands)  
Effects of drainage on crops and farm management ..... 3

Garcia, A., see Giráldez, J.V. et al.	
Geohring, L.D., see Steenhuis, T.S. et al. (p. 137)	
Ghali, G.A. and Svehlik, Z.J. (Southampton, Great Britain)	
The influence of sub-soil on the moisture regime in irrigated fields .....	307
Giráldez, J.V., Ayuso, J.L., Garcia, A. (Córdoba, Spain), López, J.G. (Almería, Spain) and Roldán, J. (Córdoba, Spain)	
Water harvesting strategies in the semiarid climate of southeastern Spain .....	253
Goldenberg, L.C. (Calgary, Alta., Canada)	
Change of characteristics of a granular aquifer in agricultural areas .....	329
Hendrickx, J.M.H., Dekker, L.W., Bannink, M.H. and Van Ommen, H.C. (Wageningen, The Netherlands)	
Significance of soil survey for agrohydrological studies .....	195
Heuperman, A.F. (Tatura, Vic., Australia)	
The Tongola groundwater pumping/re-use project: a pilot study for groundwater table control in the Shepparton region in northern Victoria .....	513
Issar, A., see Karnieli, A. et al.	
Jannot, Ph. (Antony, France)	
Drainage and crop production system on intensive dairy farms in Western France .....	61
Jannot, Ph. (Antony, France) and Schnabele, D. (Paris, France)	
The French programme of drainage reference areas. Methodology and first results .....	53
Jansen, J.M.L. (Wageningen, The Netherlands)	
Hydrological research and the design of a water management system for a peatland area with agriculture and nature in the land consolidation project Echtener and Groote Veenpolder .....	389
Jansen, P.C., see Kemmers, R.H. and Jansen, P.C.	
Karnieli, A., Ben-Asher, J., Dodi, A., Issar, A. and Oron, G. (Sede-Boqer Campus, Israel)	
An empirical approach for predicting runoff yield under desert conditions .....	243
Kastanek, F. (Vienna, Austria)	
Drainage problems in mountainous areas .....	169
Kemmers, R.H. and Jansen, P.C. (Wageningen, The Netherlands)	
Hydrochemistry of rich fen and water management .....	399
Kowalik, P.J. (Gdańsk, Poland)	
Water management and drainage design of a selected polder .....	103
Kruseman, G.P., see Boumans, J.H. et al.	
Kuntze, H., see Blankenburg, J. and Kuntze, H.	
Lennaerts, A.B.M. (Rotterdam, The Netherlands), Attia, F.A.R. (Cairo, Egypt) and De Jong, S.J. (Rotterdam, The Netherlands)	
Forecasting the suitability of pumped groundwater for irrigation in the Nile Valley .....	525
López, J.G., see Giráldez, J.V. et al.	
Madsen, H. (Viborg, Denmark)	
Irrigation, groundwater abstraction and stream flow depletion .....	345
Maesschalck, G., see Verplancke, H. et al.	
Martínez Beltrán, J. (Madrid, Spain)	
Drainage criteria for heavy soils with a shallow impervious layer ...	91

Njihia, C.M. (Nairobi, Kenya)	
Prospects of soil moisture conservation by fallowing in areas of medium agricultural potential in smallholder farming .....	265
Nonhebel, S., see Dolman, A.J. and Nonhebel, S.	
Nwabuzor, S.S. (London, Great Britain)	
Field validation of an empirical soil water model .....	317
Oosterbaan, R.J. (Wageningen, The Netherlands)	
Agricultural criteria for subsurface drainage: a systems analysis ...	79
Oron, G., see Karniel, A. et al.	
Parkinson, R.J. (Newton Abbot, Great Britain), Twomlow, S.J. (Newton Abbot/London, Great Britain) and Reid, I. (London, Great Britain)	
The hydrological response of a silty clay loam following drainage treatment .....	125
Parkinson, R.J., see also Clark, A.M. et al.	
Parlange, J.Y., see Steenhuis, T.S. et al. (pp. 137, 153)	
Parlange, M.B., see Steenhuis, T.S. et al. (pp. 137, 153)	
Plamenac, N. (Beograd, Yugoslavia)	
Effects of subsurface drainage on heavy hydromorphic soil in the Nelindvor area, Yugoslavia .....	19
Pons, Y. (Fouras, France)	
Effect of watertable on yield and root depth of winter wheat in the French West Central Atlantic Marshlands .....	35
Prak, H. (Utrecht, The Netherlands)	
The importance of hydrological research in designing rural water management systems as part of land development projects in The Netherlands .....	365
Querner, E.P. (Wageningen, The Netherlands)	
Description of a regional groundwater flow model SIMGRO and some applications .....	209
Rands, J.G., see Armstrong, A.C. et al.	
Reid, I., see Clark, A.M. et al.	
see also Parkinson, R.J. et al.	
Richard, T.L., see Steenhuis, T.S. et al. (p. 137)	
Roldán, J., see Giráldez, J.V. et al.	
Rossi Pisa, P., see Cavazza, L. and Rossi Pisa, P.	
Schnabele, D., see Jannot, Ph. and Schnabele, D.	
Schot, P.P., Barendregt, A. and Wassen, M.J. (Utrecht, The Netherlands)	
Hydrology of the wetland Naardermeer: influence of the surrounding area and impact on vegetation .....	459
Schouten, P.H. (Deventer, The Netherlands), Verstraelen, P.J.T. (Hilversum, The Netherlands) and Buntsma, J.J. (Overveen, The Netherlands)	
Restoration of the Vecht Lakes ecosystems surrounding the Horstermeer Polder: a feasibility study .....	471
Schouwenaars, J.M. (Wageningen, The Netherlands)	
The impact of water management upon groundwater fluctuations in a disturbed bog relict .....	439
Smedema, L.K. (Arnhem, The Netherlands)	
Watertable control indices for drainage of agricultural land in humid climates .....	69
Stagnitti, F., see Steenhuis, T.S. et al. (p. 153)	

Steenhuis, T.S., Parlange, J.Y., Parlange, M.B. (Ithaca, NY, U.S.A.) and Stagnitti, F. (Warrnambool, Vic., Australia)	
A simple model for flow on hillslopes .....	153
Steenhuis, T.S., Richard, T.L., Parlange, M.B., Aburime, S.O., Geohring, L.D. and Parlange, J.Y. (Ithaca, NY, U.S.A.)	
Preferential flow influences on drainage of shallow sloping soils ...	137
Svehlik, Z.J., see Ghali, G.A. and Svehlik, Z.J.	
Tanwar, B.S., see Boumans, J.H. et al.	
Tóth, L.M., see Bognár, N. and Tóth, L.M.	
Twomlow, S.J., see Parkinson, R.J. et al.	
Van Bakel, P.J.T. (Wageningen, The Netherlands)	
Operational aspects of surface water management in relation to the hydrology of agricultural areas and nature reserves .....	377
Van de Graaff, R.H.M., see Brouwer, J. and Van de Graaff, R.H.M.	
Van den Broek, B.J., see Wesseling, J.G. and Van den Broek, B.J.	
Van der Hoek, D. and Van der Schaaf, S. (Wageningen, The Netherlands)	
The influence of water level management and groundwater quality on vegetation development in a small nature reserve in the southern Gelderse Vallei (The Netherlands) .....	423
Van der Molen (Wageningen, The Netherlands)	
Hydrology of natural wetlands and wet nature reserves .....	357
Van der Schaaf, S., see Van der Hoek, D. and Van der Schaaf, S.	
Van Hoorn, J.W. (Wageningen, The Netherlands)	
Preface	
see also Boumans, J.H. et al.	
Van Ommen, H.C., see Hendrickx, J.M.H. et al.	
Van Vuuren, W.E., see Arnold, G.E. and Van Vuuren, W.E.	
Verplancke, H., Maesschalck, G. and De Boodt, M. (Gent, Belgium)	
Effect of water conservation on the yield of upland crops in the humid tropics .....	277
Verstraelen, P.J.T., see Schouten, P.H. et al.	
Wassen, M.J., see Schot, P.P. et al.	
Wesseling, J.G. and Van den Broek, B.J. (Wageningen, The Netherlands)	
Prediction of irrigation scheduling with the numerical model SWATRE .	299
Westcot, D.W. (Sacramento, CA, U.S.A.)	
Reuse and disposal of higher salinity subsurface drainage water - a review .....	483
Zingk, M. (Kiel, Federal Republic of Germany)	
Groundwater recharge in Schleswig-Holstein (West-Germany) .....	339

